Geographic Information System Office (GIS)

Department Overview

The Gallatin County Geographic Information Systems (GIS) Department is responsible for coordinating and management of complete, timely and accurate geographic information system (GIS) data to support users of geographic data in effective decision making within Government. This allows users of the data to work smarter to meet the demands of a growing Gallatin County.

The Gallatin County GIS Department regularly assists County Departments and outside county affiliates in determining not only how GIS technology can address issues effecting existing workflows, but also what future opportunities it can provide, such as new public information services or analytical capabilities to manage growth and effectively provide the services residents expect.

In Gallatin County, GIS is being designed as viable computer-driven technology for helping coordinate spatial data and information. The word for the future is integration - integration of data, disciplines, networks, and user communities into a coherent and expansive GIS environment that is configurable and beneficial for all types of users.

GIS operates under the direction of the County Adminstrator and is located on the third floor of the County Courthouse.

Department Goals

Increase accuracy of Public Safety Information
- Countywide Field Mapping Updates
- Critical Data Updates to GIS Data
- E911 and Fire Map Preparation

Increase the Accuracy of Land Records
- Control Surveying Data Accuracy
- Growth Policy and Zoning District Maps
- Database and Census Updates

Provide Value through Useful Map Products
- Counter Friendly Service
- Enterprise Database Designing
- Public Safety Projects

Provide Web Based Tools to Customers
- Internet Map Server Applications
- SDE and Geodatabase Design
- Public Internet Map Tools

Design Intelligent Mapping Applications
- Analysis Tools for Impact Fees
- Proposed Development Viewer
- Building Evacuation Plans

GIS Cooperative Plans
- Identified Joint Department Projects
- Required Participants Identified

Recent Accomplishments

- Completion of established priority projects from priority list.
- Semi-Annual GPS/GIS and Emergency Service Zone updates.
- Updated master data layers into a Relational Database Model using SDE technology.
- Internet Map Server Development with custom map applications for Planning, Schools, and Environmental Health.
- Individual Atlas pages available for Web download.
- GCDB control points collected for 19 townships with 22 planned for calendar year 2008.
- New database development for displaying recent growth over the Web.
- Department Evacuation Plans.
- Atlas and Fire Map Updates.
- Transferrable Development Rights maps and scenarios
- Official Zoning District Maps.
- Enterprise Database discussions and Feasibility Analysis scheduled.
- Impact fee viability studied and past developments researched.
- Training received on new Database and Internet applications.
- Growth Policy alternatives mapped and presented to study groups.
- Neighborhood Plan Maps and Focus Group Support.

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Department Budget

Object of Expenditure	Actual FY 2007	Final FY 2008	Actual FY 2008	Request FY 2009	Preliminary FY 2009	Final FY 2009
Personnel	$ 224,745	$ 244,899	$ 230,320	$ 182,664	$ 183,208	$ 186,451
Operations	84,612	96,391	102,843	92,539	84,668	84,668
Debt Service	-	-	-	-	-	-
Capital Outlay	-	10,615	2,075	10,615	8,115	8,115
Transfers Out	-	-	-	-	-	-
Total	**$ 309,357**	**$ 351,905**	**$ 335,238**	**$ 285,818**	**$ 275,991**	**$ 279,234**
Budget by Fund Group						
General Fund	$ 309,357	$ 351,905	$ 335,238	$ 285,818	$ 275,991	$ 279,234
Special Revenue Funds	-	-	-	-	-	-
Debt Service Funds	-	-	-	-	-	-
Capital Project Funds	-	-	-	-	-	-
Enterprise Funds	-	-	-	-	-	-
Internal Service Funds	-	-	-	-	-	-
Trust & Agency Funds	-	-	-	-	-	-
Total	**$ 309,357**	**$ 351,905**	**$ 335,238**	**$ 285,818**	**$ 275,991**	**$ 279,234**
Funding Sources						
Tax Revenues	$ 138,053	$ 85,311	$ 84,458	$ 103,969	$ 103,969	$ 85,311
Non-Tax Revenues	88,634	130,744	124,207	112,811	112,811	130,744
Cash Reappropriated	82,670	135,851	126,574	69,038	59,211	63,180
Total	**$ 309,357**	**$ 351,905**	**$ 335,238**	**$ 285,818**	**$ 275,991**	**$ 279,234**

Department Personnel

Personnel Summary

No	FT/PT	Title	FTE
1	Full-Time	GIS Manager	1.00
1	Full-Time	GIS Analyst	1.00
1	Full-Time	GIS Program Assistant	1.00
		Total Program FTE	3.00

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2009 Budget Highlights

Personnel

- Personnel fluctuations were significant in 2008; however, production on critical and complicated GIS project work was considerable. In place of the GIS Technician, a Program Assistant was added instead to handle the majority of daily business and public traffic. This position will allow GIS to be better organized, more attentive to the public and outside customers as well as responding more timely on address changes in the future. The GIS/Planning Technician (funded through Planning) has been able to solely focus on long-term planning strategies which require heavy support to the planners, commission, consultants and focus groups. In the short-term, funds allocated towards unfilled personnel positions will be directed to outside consultants that will assist GIS in accomplishing numerous critical projects, system and technology upgrades and Internet applications that are designed for departments and the public users.

Operations

- The operations increase for 2009 is primarily due to ongoing contracts for Survey Control Point Mapping and a $27,500grant from the State of Montana for this work in 2009. Carryover of funds for the Enterprise Database Feasibility Study also are included in these totals, GIS is planning on focusing this coming year on development of additional web-based applications for both viewing and simple analysis. Operations for these applications are in the form of software licenses.

Capital

- No addition to reserves, maintain $8,115 set-aside for future GPS replacement and Plotter.

County Commission Goals/Department Response

The County Commission established a set of overarching goals for the county government. Listed below are the County Commission's goals followed by the methods by which GIS is striving to fulfill those goals.

Equate Community Need with Budgetary Decisions

- Increase the Accuracy of Public Safety Information
- Ongoing Updates to Critical Database Information

Exceptional Customer Service

- Provide Counter Friendly Service to the Public
- Provide Value to the Customer Through Useful Map Products

Model for Excellence in Government

- Design Intelligent Mapping Applications
- Promote Safety and Security

Improve Communications

- Training to Other Departments, the Public and Users
- Provide Web Based Tools to Customers

Adhere To Long-Term Plans

- Increase the Accuracy of Land Records in Gallatin County
- Administer Relational Database Model and Promote Enterprise Integration

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WORKLOAD INDICATORS/PERFORMANCE MEASURES

Workload Indicators Indicator	Actual FY 2006	Actual FY 2007	Estimated FY 2008	Projected FY 2009
1. Addressing Related	9	8	6	6
2. Administrative/Operations and Meetings	25	22	22	22
3. External Data & Map Requests	2	1	1	1
4. Fire/911 Specific	22	4	5	5
5. Grant Project Work	-	-	1	1
6. Internal GIS Project Work	20	26	18	12
7. Internal GIS Request for Service	2	13	5	8
8. Training	1	4	2	4
9. Web Development	6	2	9	11
10. Public and Non-Allocated	13	20	26	20
11. Internal GIS Database Maintenance	N/A	N/A	6	10

Performance Measures Measure	Actual FY 2006	Actual FY 2007	Estimated FY 2008	Projected FY 2009
1. Timeliness and completeness of updates	95% goal	95% goal	95% goal	95% goal
2. Usefulness of the data or application	High	High	High	High
3. Number of items collected or changed	10%	20%	25%	15%
4. Customer feedback	Positive	Positive	Positive	Positive
5. Providing Useful Information to the Public	Increased	Exceptional	Exceptional	New Tools
6. Efficiency of the Database	N/A	N/A	Positive	Re-Designed
7. Reliability of the information	N/A	N/A	Exceptional	Exceptional

Comments